

MASTER TABLE
ALL POTENTIAL TIER 1 RBSLs FOR SOIL (mg/kg)
Distance to water is from the sample depth to the water table.

October 2003

Chemical	Leaching 0-10 feet	Leaching 10-20 feet	Leaching >20 feet	Direct Contact Residential	Direct Contact Commercial	Direct Contact Excavation	Residential Beneficial Uses	Commercial Beneficial Uses	Excavation Beneficial Uses	Soil Saturation
For Gasoline and Light Hydrocarbons measured using the Massachusetts Method for Volatile Petroleum Hydrocarbons (VPH)										
C5-C8 Aliphatics	126	457	686	13	51	103	100	500	500	280
C9-C12 Aliphatics	4,400	16,000	24,400	72	304	605	100	500	500	64
C9-C10 Aromatics	7.5	25	35	12	47	94	100	500	500	550
MTBE	0.0784	0.164	0.252	231	2,321	3,670	--	--	--	6,050
Benzene	0.0379	0.101	0.156	0.66	1.6	81	--	--	--	820
Toluene	13.9	40.7	62.8	71	287	576	--	--	--	499
Ethylbenzene	13.3	40.1	62	175	812	1,586	--	--	--	227
Xylenes	217	679	1,050	20	80	160	--	--	--	276
Naphthalene	9.32	30.65	47.36	195	4,087	4,578	--	--	--	223
For Diesel and Heavy Hydrocarbons measured using the Massachusetts Method for Extractable Petroleum Hydrocarbons (EPH)										
C9-C18 Aliphatics	20,000	70,000	108,000	135	607	1,196	1,000	2,500	5,000	41
C19-C36 Aliphatics	260,000	6.60E+08	1.00E+09	19,552	411,313	459,445	2,500	5,000	5,000	0.46
C11-C22 Aromatics	120	390	600	66	278	554	1,000	2,500	5,000	170
Acenaphthene	156	526	813	587	12,339	13,783	--	--	--	125
Anthracene	3,740	12,600	19,500	2,933	61,697	68,917	--	--	--	6.12
Benz(a)anthracene	13	43.8	67.7	0.82	6.3	176	--	--	--	20.2
Benzo(a)pyrene	3.52	11.9	18.4	0.082	0.63	18	--	--	--	9.42
Benzo(b)fluoranthene	44.8	151	233	0.82	6.3	176	--	--	--	11.1
Benzo(k)fluoranthene	447	1,500	2,330	8.2	63	1,762	--	--	--	5.9
Chrysene	1,450	4,880	7,540	82	631	17,623	--	--	--	3.82
Dibenzo(a,h)anthracene	6.51	21.9	33.9	0.082	0.63	18	--	--	--	26.7
Fluoranthene	1,040	3,510	5,430	391	8,226	9,189	--	--	--	60.7
Fluorene	164	552	853	391	8,226	9,189	--	--	--	91.7
Indeno(1,2,3-cd)pyrene	11.57	38.99	60.26	0.82	6.3	176	--	--	--	0.458
Naphthalene	9.32	30.65	47.36	195	4,087	4,578	--	--	--	223
Pyrene	4,949	16,674	25,767	293	6,170	6,892	--	--	--	55.1